



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,204	01/21/2004	Kia Silverbrook	RRA19US	1337

24011 7590 08/14/2006

SILVERBROOK RESEARCH PTY LTD
393 DARLING STREET
BALMAIN, NSW 2041
AUSTRALIA

EXAMINER

UHLENHAKE, JASON S

ART UNIT	PAPER NUMBER
----------	--------------

2853

DATE MAILED: 08/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/760,204

Applicant(s)

SILVERBROOK, KIA

Examiner

Jason Uhlenhake

Art Unit

2853

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) 1 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Croley et al (U.S. Pat. 7,044,574) in view of Matsui et al (U.S. Pat. 6,644,801).

Croley et al discloses:

- ***regarding claim 4***, a body for supporting each of a number of removable inkjet printer cartridges (Column 2, Lines 56-58) having differing performance characteristics and an ink supply in fluid communication with the inkjet printhead
 - the cartridge (26) also having printhead contacts for receiving data and power for operating the printhead, and the body having complementary contacts for establishing an electrical connection with the printhead contacts upon insertion of the cartridge (26) into the body (Column 3, Lines 17-33; Column 4, Lines 1-10)
 - a controller connected to the complementary contacts and configured to determine the performance characteristics of any of the inkjet printer cartridges when inserted into the body (Column 4, Lines 1-10), such that the controller adjusts the operations of the printhead in accordance with the determined performance characteristic (Column 4, Lines 48-62)

Croley et al does not expressly disclose the following:

- **regarding claim 4**, each inkjet printer cartridge being of a type having a page width printhead

Matsui et al discloses:

- **regarding claim 4**, each inkjet printer cartridge being of a type having a page width printhead (Column 11, Lines 18-24, for the purpose of increasing printing speed

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of each inkjet printer cartridge being of a type having a page width printhead as taught by Matsui et al into the device of Croley et al, for the purpose of increasing the printing speed.

Claims 2-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Croley et al (U.S. Pat. 7,044,574) as modified by Matsui et al (U.S. Pat. 6,644,801) as applied to claim 1 above, and further in view of Morita et al (U.S. Pat. 6,75,715)

Croley et al as modified by Matsui et al discloses all the claimed limitations above except for the following:

- **regarding claim 2**, wherein the controller operates a number of removable inkjet cartridges having performance characteristics which differ by one of more of: optimum printing speed; ink capacity

- **regarding claim 3**, the body includes a recess to receive any one of the number of removable inkjet cartridges

Morita et al discloses:

- **regarding claim 2**, wherein the controller operates a number of removable inkjet cartridges having performance characteristics which differ by one of more of: optimum printing speed; ink capacity (Column 21, Lines 52-67), for the purpose of improving the performance of the printing apparatus.

- **regarding claim 3**, the body includes a recess to receive any one of the number of removable inkjet cartridges (200 of Figure 4), for the purpose of attaching an ink tank to a holder with high positional precision.

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of wherein the controller operates a number of removable inkjet cartridges having performance characteristics which differ by one of more of: optimum printing speed; ink capacity; the body includes a recess to receive any one of the number of removable inkjet cartridges as taught by Morita et al as modified by Croley et al as modified by Matsui et al, for the purpose of improving the performance of the printing apparatus, and attaching an ink tank to a holder with high positional precision.

Response to Arguments

Applicant's arguments with respect to claims 2-4 have been considered but are moot in view of the new ground(s) of rejection. Please see the above rejections regarding Croley et al (U.S. Pat. 7,044,574) in view of Matsui et al (U.S. Pat. 6,644,801) and Croley et al as modified by Matsui et al and further in view of Morita et al (U.S. Pat. 6,75,715). They disclose a number of removable inkjet printer cartridges having

differing performance characteristics and controller connected to complementary contacts configured to determine the performance characteristics of any of the inkjet printer cartridges

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

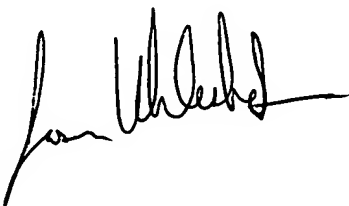
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Uhlenhake whose telephone number is (571) 272-5916. The examiner can normally be reached on Monday - Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSU
July 26, 2006



 8/00
K. FEGGINS
PRIMARY EXAMINER